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Commissioner of Patents
 U.S. Patent and Trademark Office
 220 20th Street South
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 Crystal Plaza Two, Lobby, Room 1B03
 Arlington, VA 22202

Re: Information Disclosure Statement
 Appl. No.: 10/784,902
 Filed: February 24, 2004
 Title: **Process for the Preparation of L-Amino Acids Using Strains of the Enterobacteriaceae Family**
 Inventor(s): Rieping, *et al.*
 Atty. Dkt.: 7601/80981

Dear Sir:

The following documents are being submitted for appropriate action by the U.S. Patent and Trademark Office:

1. Information Disclosure Statement;
2. PTO Form 1449, List of References Cited by Applicant;
3. References B1-B40 and C1-C74; and
4. Return postcard.

Applicants do not believe that any fees are due for the filing of these documents.
 However, the Director is hereby authorized to charge any fee deficiency with respect to this

Commissioner for Patents
November 18, 2004
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filing and any other fee required in connection with the present case, or credit any overpayment to our Deposit Account No. 06-1135 under Order No. 7909/80981.

It is respectfully requested that the enclosed postcard be stamped with the date the enclosed documents are received by the PTO and that it be returned as soon as possible.

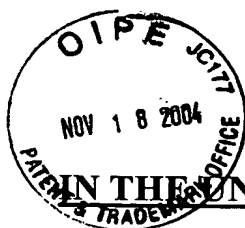
Very truly yours,

FITCH, EVEN, TABIN & FLANNERY

A handwritten signature in black ink that reads "Michael A. Sanzo". The signature is written in a cursive, flowing style.

Michael A. Sanzo
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Attorney for Applicants

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Enclosures



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

Rieping, *et al.*

Appl. No.: 10/784,902

Filed: February 24, 2004

For: **Process for the Preparation of
L-Amino Acids Using Strains of the
Enterobacteriaceae Family**

Art Unit: to be assigned

Examiner: to be assigned

Atty. Dkt.: 7601/80981

Information Disclosure Statement

Commissioner of Patents
U.S. Patent and Trademark Office
220 20th Street South
Customer Window, **MS Amendment**
Crystal Plaza Two, Lobby, Room 1B03
Arlington, VA 22202

Sir:

Submitted herewith is a listing of documents known to Applicants and/or their attorney in compliance with the requirements of 37 C.F.R. § 1.56. Copies of the listed documents, with the exception of the United States patent(s), are also enclosed.

Applicants also wish to make the Examiner aware of co-pending applications 10/733,776, filed December 12, 2003; 10/784,914, filed February 24, 2004; 10/794,417, filed March 8, 2004; 10/812,315, filed March 30, 2004; and 10/817,431, filed April 5, 2004.

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned attorney submits the following concise explanation of the relevance of the non-English language document cited on the accompanying form:

Reference B1, PCT published application WO 99/18228, describes a method for increasing the microbial production of specific amino acids by increasing the activity or expression of pyruvate carboxylase. An English language abstract corresponding to this

document is enclosed herewith and is cited on the accompanying list of references as document C71.

Reference B3, PCT published application WO 01/05939 A1, describes a process for the production of L-amino acids, *e.g.*, L-lysine and L-glutamic acid, by culturing a microorganism having variation or deletion of sigma factor which acts specifically on the stationary phase. An English language abstract corresponding to this document is enclosed herewith and is cited on the accompanying list of references as document C72.

Reference B39, German patent DE 101 32 946 A1, describes a process for the fermentative production of L-amino acids by culturing Enterobacteriaceae in which the activity of at least one specific gene is increased. The process is useful in producing threonine and other amino acids for use in animal nutrition, medicine and the food industry. An English language abstract corresponding to this document is enclosed herewith and is cited on the accompanying list of references as document C73.

Reference B40, German patent DE 101 35 053 A1, describes a process for preparing L-amino acids, *e.g.*, L-threonine, by fermenting an organism of the Enterobacteriaceae family in which at least the *malE* gene is enhanced, particularly overexpressed, and then isolating the desired amino acid. An English language abstract corresponding to this document is enclosed herewith and is cited on the accompanying list of references as document C74.

Applicants do not waive any rights to appropriate action to establish patentability over any of the listed documents should they be applied as references against the claims of the present application. This statement should not be construed as a representation that more material information does not exist or that an exhaustive search of the relevant art has been made.

Consideration of the cited documents and making the same of record in the prosecution of the above-captioned application are respectfully requested.

Applicants do not believe any fees are due for the submission of this Information Disclosure Statement other than those which have been provided. However, the Director is hereby authorized to charge any fee deficiency to our Deposit Account No. 06-1135 under Order No. 7601/80981.

Respectfully submitted,

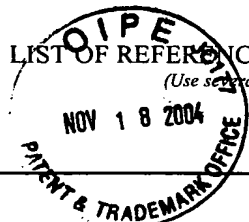
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LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

Atty. Docket No.: 7601/80981

Appl. No.: 10/784,902

Applicant(s) Rieping, *et al.*

Filing Date: February 24, 2004

Group: to be assigned

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A 1	4,278,765	Jul. 14, 1981	Debabov, <i>et al.</i>	435	172	Jun. 28, 1979
	A 2						
	A 3						
	A 4						
	A 5						
	A 6						
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				Filing Date: February 24, 2004		Group: to be assigned			
FOREIGN PATENT DOCUMENTS									
Examiner Initial		Document Number	Date	Country	Class	Subclass	Abst./Trans.		
							Yes	No	
	B 1	WO 99/18228	Apr. 15, 1999	WIPO	C12P	13/00	X		
	B 2	WO 99/53035	Oct. 21, 1999	WIPO	C12N	9/00			
	B 3	WO 01/05939 A1	Jan. 25, 2001	WIPO	C12N	1/21	X		
	B 4	WO 01/92545 A1	Dec. 6, 2001	WIPO	C12N	15/70			
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FOREIGN PATENT DOCUMENTS								
Examiner Initial		Document Number	Date	Country	Class	Subclass	Abst./Trans.	
							Yes	No
	B 28	WO 03/008610 A2	Jan. 30, 2003	WIPO	C12P	13/00		
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<div> <div>Examiner Initial</div> <div>OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)</div> </div>			
	C 1	ANDREWS, <i>et al.</i> , "Cloning, Sequencing, and Mapping of the Bacterioferritin Gene (<i>bfr</i>) of <i>Escherichia coli</i> K-12," <i>J. Bacteriol.</i> 171:3940-3947 (1989).	
	C 2	BLANKENHORN, <i>et al.</i> , "Acid- and Base-Induced Proteins during Aerobic and Anaerobic Growth of <i>Escherichia coli</i> Revealed by Two-Dimensional Gel Electrophoresis," <i>J. Bacteriol.</i> 181:2209-2216 (1999).	
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	C 19	JENSEN, <i>et al.</i> , "Artificial Promoters for Metabolic Optimization," <i>Biotechnol. Bioeng.</i> 58:191-195 (1998).	
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		Applicant(s) Rieping, <i>et al.</i>	
		Filing Date: February 24, 2004	Group: to be assigned
Examiner Initial			
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
	C 20	KAGA, <i>et al.</i> , "Rnase G-Dependent Degradation of the <i>eno</i> mRNA Encoding a Glycolysis Enzyme Enolase in <i>Escherichia coli</i> ," <i>Biosci. Biotechnol. Biochem.</i> 66:2216-2220 (2002).	
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	C 25	LANDGRAF, <i>et al.</i> , "The Role of H-NS in One Carbon Metabolism," <i>Biochimie</i> 76:1063-1070 (1994).	
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	C 27	MACPHERSON, <i>et al.</i> , "Identification of the GalP Galactose Transport Protein of <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 258:4390-4396 (1983).	
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	C 31	MEYER, <i>et al.</i> , "Molecular Characterization of Glucokinase from <i>Escherichia coli</i> K-12," <i>J. Bacteriol.</i> 179:1298-1306 (1997).	
	C 32	MISSIAKAS, <i>et al.</i> , "Modulation of the <i>Escherichia coli</i> σ^E (RpoE) Heat-Shock Transcription-Factor Activity by the RseA, RseB and RseC Proteins," <i>Mol. Microbiol.</i> 24:355-371 (1997).	
	C 33	NAGELKERKE, <i>et al.</i> , "2-Deoxygalactose, a Specific Substrate of the <i>Salmonella typhimurium</i> Galactose Permease: Its Use for the Isolation of <i>galP</i> Mutants," <i>J. Bacteriol.</i> 133:607-613 (1978).	
	C 34	NIERSBACH, <i>et al.</i> , "Cloning and Nucleotide Sequence of the <i>Escherichia coli</i> K-12 <i>ppsA</i> Gene, Encoding PEP Synthase," <i>Mol. Gen. Genet.</i> 231:332-336 (1992).	
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	C 36	POSTMA, "Galactose Transport in <i>Salmonella typhimurium</i> ," <i>J. Bacteriol.</i> 129:630-639 (1977).	
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Examiner		Date Considered	

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		Filing Date: February 24, 2004	Group: to be assigned
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
	C 39	RAIBAUD, <i>et al.</i> , "Essential and Nonessential Sequences in <i>malPp</i> , a Positively Controlled Promoter in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 161:1201-1208 (1985).	
	C 40	RAVNIKAR, <i>et al.</i> , "Structural and Functional Analysis of a Cloned Segment of <i>Escherichia coli</i> DNA That Specifies Proteins of a C ₄ Pathway of Serine Biosynthesis," <i>J. Bacteriol.</i> 169:4716-4721 (1987).	
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